



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SNAP-IN HEAT SINK FOR SEMICONDUCTOR MOUNTING																																																																																													
<p>Application Number: 10/604252 Confirmation Number: 1251 First Named Applicant: Dennis Sigl Attorney Docket Number: ITW7510.070 Search string: (4012769 or 4054901 or 4187711 or 4235285 or 4215361 or 4203488 or 4304514 or 4261076 or D260388 or D260761 or D262203 or D261354 or 4261005 or D264964 or 4321423 or D265987 or D263042 or D262961 or D262960 or 4403102 or 4388967 or D267942 or D268833 or D268666 or D268667 or D269606 or D269084 or 4446504 or D275749 or D275666 or 4471837 or D275388 or D275648 or D273006 or D272902 or D280811 or 4552206 or 4544942 or D280320 or D280319 or 4508163 or D277748 or 4625260 or 4609040 or D285193 or D284851 or 4602315 or 4588028 or 4575038 or D282838).pn.</p>																																																																																														
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>(4)</td><td>1</td><td>4012769</td><td>1977-03-15</td><td>Edwards et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4054901</td><td>1977-10-18</td><td>Edwards et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>4187711</td><td>1980-02-12</td><td>Lavochkin et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>4235285</td><td>1980-11-25</td><td>Johnson et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>4215361</td><td>1980-07-29</td><td>McCarthy</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>4203488</td><td>1980-05-20</td><td>Johnson et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>4304514</td><td>1981-12-08</td><td>Pfaff</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>4261076</td><td>1981-04-14</td><td>Clemens</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>D260388</td><td>1981-08-25</td><td>Kennington</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>D260761</td><td>1981-09-15</td><td>Kennington</td><td></td><td></td><td></td></tr></tbody></table>							init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	(4)	1	4012769	1977-03-15	Edwards et al.					2	4054901	1977-10-18	Edwards et al.					3	4187711	1980-02-12	Lavochkin et al.					4	4235285	1980-11-25	Johnson et al.					5	4215361	1980-07-29	McCarthy					6	4203488	1980-05-20	Johnson et al.					7	4304514	1981-12-08	Pfaff					8	4261076	1981-04-14	Clemens					9	D260388	1981-08-25	Kennington					10	D260761	1981-09-15	Kennington			
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(4)	1	4012769	1977-03-15	Edwards et al.																																																																																										
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11	D262203	1981-12-08	Johnson et al.
12	D261354	1981-10-20	Clemens
13	4261005	1981-04-07	McCarthy
14	D264964	1982-07-15	Hinshaw
15	4321423	1982-03-23	Johnson et al.
16	D265987	1982-08-31	McCarthy
17	D263042	1982-02-16	McCarthy
18	D262961	1982-02-09	McCarthy
19	D262960	1982-02-09	Johnson et al.
20	4403102	1983-09-06	Jordan et al.
21	4388967	1983-06-21	Breese
22	D267942	1983-02-15	McCarthy
23	D268833	1983-05-03	McCarthy
24	D268666	1983-04-19	Moore
25	D268667	1983-04-19	Jordan et al.
26	D269606	1983-07-05	Jordan et al.
27	D269084	1983-05-24	McCarthy
28	4446504	1984-05-01	Jordan et al.
29	D275749	1984-10-02	McCarthy
30	D275666	1984-09-25	McCarthy
31	4471837	1984-09-18	Larson
32	D275388	1984-09-04	McCarthy
33	D275648	1984-09-25	McCarthy
34	D273006	1984-03-13	McCarthy
35	D272902	1984-03-06	Johnson et al.
36	D280811	1985-10-01	Moore
37	4552206	1985-11-12	Johnson et al.
38	4544942	1985-10-01	McCarthy
39	D280320	1985-08-27	McCarthy
40	D280319	1985-08-27	McCarthy
41	4508163	1985-04-02	McCarthy
42	D277748	1985-02-26	McCarthy
43	4625260	1986-11-25	Johnson et al.
44	4609040	1986-09-02	Moore
45	D285193	1986-08-19	Moore
46	D284851	1986-07-29	Moore
47	4602315	1986-07-22	Breese

48	4588028	1986-05-13	Marshall et al.
49	4575038	1986-03-11	Moore
50	D282838	1986-03-04	McCarthy

Remarks

Note: Remarks are not for responding to an office action.

References with a "D" prefix are design patents.

Signature

Examiner Name	Date
<i>Barry L. Chumbers</i>	7/19/94



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Title of Invention	SNAP-IN HEAT SINK FOR SEMICONDUCTOR MOUNTING						
Application Number:	10/604252						
Confirmation Number:	1251						
First Named Applicant:	Dennis Sigl						
Attorney Docket Number:	ITW7510.070						
Search string:	(D287121 or D287120 or D285302 or D285301 or D285300 or D285194 or D283813 or D283503 or D283418 or 4679118 or 4709302 or 4712159 or 4729426 or D295281 or D295282 or 4745456 or 4783899 or D296778 or D296324 or D296323 or D300738 or 4847449 or D304293 or D303951 or D303786 or D303755 or 4879891 or 4884331 or 4890196 or 4961125 or 4962442 or D312819 or 4899210 or D307540 or 5019940 or 5019942 or 5068764 or D322594 or 5040096 or D317907 or D314945 or D313399 or 5038858 or 5138524 or 5130888 or 5185350 or 5276585 or 5304735 or 5371652 or 5386338).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	1	D287121	1986-12-09	McCarthy			
	2	D287120	1986-12-09	McCarthy			
	3	D285302	1986-08-26	McCarthy			
	4	D285301	1986-08-26	Johnson			
	5	D285300	1986-08-26	St. Jacques			
	6	D285194	1986-08-19	McCarthy			
	7	D283813	1986-05-13	McCarthy			
	8	D283503	1986-04-22	McCarthy			
	9	D283418	1986-04-15	McCarthy			
	10	4679118	1987-07-07	Johnson et al.			
	11	4709302	1987-11-24	Johnson et al.			

(12)	12	4712159	1987-12-08	Clemens
	13	4729426	1988-03-08	Hinshaw
	14	D295281	1988-04-19	Moore
	15	D295282	1988-04-19	Moore
	16	4745456	1988-05-17	Clemens
	17	4783899	1988-11-15	Breese
	18	D296778	1988-07-19	McCarthy
	19	D296324	1988-06-21	McCarthy
	20	D296323	1988-06-21	McCarthy
	21	D300738	1989-04-18	Jordan et al.
	22	4847449	1989-07-11	Jordan et al.
	23	D304293	1989-10-31	McCarthy
	24	D303951	1989-10-10	McCarthy
	25	D303786	1989-10-03	McCarthy
	26	D303755	1989-10-03	McCarthy
	27	4879891	1989-11-14	Hinshaw
	28	4884331	1989-12-05	Hinshaw
	29	4890196	1989-12-26	Hinshaw
	30	4961125	1990-10-02	Jordan et al.
	31	4962442	1990-10-09	Clemens
	32	D312819	1990-12-11	Marshall
	33	4899210	1990-02-06	Lorenzetti et al.
	34	D307540	1990-05-01	McCarthy
	35	5019940	1991-05-28	Clemens
	36	5019942	1991-05-28	Clemens
	37	5068764	1991-11-26	Bland et al.
	38	D322594	1991-12-24	McCarthy
	39	5040096	1991-08-13	Churchill et al.
	40	D317907	1991-07-02	McCarthy
	41	D314945	1991-02-26	McCarthy
	42	D313399	1991-01-01	Earl et al.
	43	5038858	1991-08-13	Jordan et al.
	44	5138524	1992-08-11	Smithers
	45	5130888	1992-07-14	Moore
	46	5285350	1994-02-08	Villaume
	47	5276585	1994-01-04	Smithers

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<input type="checkbox"/>	49	5371652	1994-12-06	Clemens et al.
<input checked="" type="checkbox"/>	50	5386338	1995-01-31	Jordan et al.

Remarks

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Signature

Examiner Name	Date
<i>Karen L. Clawson</i>	7/18/14



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Title of Invention	SNAP-IN HEAT SINK FOR SEMICONDUCTOR MOUNTING
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Application Number: 10/604252

Confirmation Number: 1251

First Named Applicant: Dennis Sigl

Attorney Docket Number: ITW7510.070

Search string: (4933746 or 5365654 or 5472043 or 5458189
or 5437561 or 5384940 or 5383340 or D361317
or D361986 or 5381041 or 5381305 or 5436798
or D357227 or 5466970 or 5422789 or 5428897
or 5464054 or 5562146 or 5570271 or 5494098
or 5576933 or 5581442 or 5587880 or 5560423
or 5502582 or 5485671 or D376349 or 5590025
or 5572789 or 5566749 or 5486980 or 5594624
or 5640305 or 5611393 or 5661637 or 5634351
or RE35573 or 5590712 or 5677928 or 5844312
or 5847928 or 5829516 or 5791770 or 5720338
or 5704416 or D390539 or D394043 or 5774964
or 5991151 or 5930114).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
④	1	4933746	1990-06-12	King			
	2	5365654	1994-11-22	Moulton			
	3	5472043	1995-12-05	Larson et al.			
	4	5458189	1995-10-17	Larson et al.			
	5	5437561	1995-08-01	Earl et al.			
	6	5384940	1995-01-31	Soule et al.			
	7	5383340	1995-01-24	Larson et al.			
	8	D361317	1995-08-15	Harmon et al.			
	9	D361986	1995-09-05	Harmon			
	10	5381041	1995-01-10	Harmon			
✓	11	5381305	1995-01-10	Harmon et al.			

12	5436798	1995-07-25	Wieland, Jr.
13	D357227	1995-04-11	Smithers
14	5466970	1995-11-14	Smithers
15	5422789	1995-06-06	Fisher et al.
16	5428897	1995-07-04	Jordan et al.
17	5464054	1995-11-07	Hinshaw et al.
18	5562146	1996-10-08	Harmon et al.
19	5570271	1996-10-29	Lavochkin
20	5494098	1996-02-27	Morosas
21	5576933	1996-11-19	Campanella et al
22	5581442	1996-12-03	Morosas
23	5587880	1996-12-24	Phillips et al.
24	5560423	1996-10-01	Larson et al.
25	5502582	1996-03-26	Larson et al.
26	5485671	1996-01-23	Larson et al.
27	D376349	1996-12-10	Campanella et al.
28	5590025	1996-12-31	Clemens
29	5572789	1996-11-12	Fisher et al.
30	5566749	1996-10-22	Jordan et al.
31	5486980	1996-01-23	Jordan et al.
32	5594624	1997-01-14	Clemens et al.
33	5640305	1997-06-17	Smithers
34	5611393	1997-03-18	Vasconcelos et al.
35	5661637	1997-08-26	Villaume
36	5634351	1997-06-03	Larson et al.
37	RE35573	1997-07-29	Clemens
38	5590712	1997-01-07	Fisher et al.
39	5677928	1997-10-14	Clemens
40	5844312	1998-12-01	Hinshaw et al.
41	5847928	1998-12-08	Hinshaw et al.
42	5829516	1998-11-03	Lavoshkin
43	5791770	1998-08-11	Hoyt et al.
44	5720338	1998-02-24	Larson et al.
45	5704416	1998-01-06	Larson et al.
46	D390539	1998-02-10	Campanella
47	D394043	1998-05-05	Campanella et al.

(2)	48	5774964	1998-07-07	Fisher et al.
	49	5991151	1999-11-23	Capriz
*	50	5930114	1999-07-17	Kuzmin et al.

Remarks

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Examiner Name	Date
<i>Kevin L. Clevenger</i>	7/19/94



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Attorney Docket Number:	ITW7510.070				
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init	Cite.No.	Patent No.	Date	Patentee	Kind
1	1	5870287	1999-02-09	Rodriguez et al.	
	2	D407381	1999-03-30	Campanella	
	3	5897917	1999-04-27	Hinshaw et al.	
	4	5889653	1999-03-30	Clemens et al.	
	5	5991154	1999-11-23	Clemens et al.	
	6	5917700	1999-06-29	Clemens et al.	
	7	5903977	1999-05-18	Fisher et al.	
	8	6079486	2000-06-27	Cennamo et al.	
	9	6012510	2000-01-11	Cook	
	10	6097603	2000-08-01	Edwards et al.	
	11	6059116	2000-05-09	Hinshaw et al.	
	12	6082440	2000-07-04	Clemens et al.	
	13	6118657	2000-09-12	Clemens	
	14	6143076	2000-11-07	Rasmussen et al.	
	15	6053240	2000-04-25	Johnston et al.	
	16	6115253	2000-09-05	Clemens et al.	

(1)	17	6195880	2001-03-06	Hinshaw et al.	B1
	18	6286586	2001-09-11	Cook	B2
	19	6313993	2001-11-06	Hinshaw et al.	B1
	20	6229706	2001-05-08	Cook et al.	B1
	21	6178628	2001-01-30	Clemens et al.	B1
	22	6286586	2001-09-11	Cook	B2
✓	23	6178628	2001-01-30	Clemens et al.	B1

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Examiner Name	Date
Eric L. Piercius	11/19/04